

1 retrieving said database based on said search condition and holding position
2 information of said retrieved data, when processing said retrieval part; and
3 referencing said retrieved data used said position information from said database
4 and operating said retrieved data.

a'
1 37. The data processing method according to claim 36, wherein said retrieved
2 data is constituted by a plurality of partial data and each said partial data is defined by a
3 name and data type declaration.

1 38. The data processing method according to claim 37, wherein, during
2 operating said retrieved data, said partial data is extracted from said retrieved data.

1 39. The data processing method according to claim 37, wherein, during
2 operating said retrieved data, said partial data is stored as part of said retrieved data.

1 40. The data processing method according to claim 37, wherein, during
2 operating said retrieved data, said partial data of said retrieved data is replaced by another
3 partial data.

1 41. The data processing method according to claim 37, wherein, during
2 operating said retrieved data, said partial data of said retrieved data is deleted from said
3 retrieved data.

1 42. The data processing method according to claim 37, wherein said operating
2 said retrieved data is defined by a member function which contains processing for said
3 partial data in definition of said retrieved data.

1 43. A data processing method in a database comprising the steps of:
2 inputting a query for data retrieval;
3 a' retrieving data including a plurality of partial data from said database based on a
4 search condition, and holding position information of retrieved data; and
5 retrieving said partial data of said retrieved data from said database based on said
6 position information so that any of said partial data in said retrieved data is used for
7 processing, control and database operations subsequent to data retrieval.

1 44. A database retrieval system comprising:
2 a first server for analyzing queries about a database; and
3 a plurality of second servers connected to said first server by a network, for
4 operating a database,
5 wherein said second servers retrieve data from said database, and said first server
6 processes and controls data retrieved by said second servers, and
7 wherein said first server causes said second servers, upon retrieval of data to return
8 position information about said data as a retrieval result to said first server, and retrieves
9 said data from said database operation server based on said position information for

10 processing, control and database operations subsequent to the retrieval of said data.

1 45. The database retrieval system according to claim 44, wherein said first
2 server retrieves partial data items of said data from said second server based on said
3 position information and dictionary information concerning locations of said partial data
4 items within said data and partial data identifiers necessary for queries.

a'
1 46. The database retrieval system according to claim 44, wherein said first
2 server performs a process using the retrieved partial data items.

3 47. The database retrieval system according to claim 46, wherein said position
4 information comprises:

an identifier of an individual second server having retrieved said data and an
address of said data within said second server.

1 48. The database retrieval system according to claim 46, wherein said
2 dictionary information of locations of said partial data items within said data comprises
3 offset values representing locations of said partial data items relative to a starting address,
4 said partial data items being clustered within said data.--